



Contribution ID: 2

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## Radiation (1)

*Monday, 30 March 2020 11:35 (1 hour)*

This module aims to introduce the fundamentals of radiative transfer theory and its role within the global atmospheric circulation. The lectures will also cover the techniques of numerical modelling of the radiative transfer equations in global-circulation models with a particular focus on the code in use in the ECMWF Integrated Forecasting System.

By the end of the session students should be able to:

- Identify the key processes controlling the atmospheric radiative balance
- Recognize the role of the radiative transfer in the Earth energy balance
- Estimate the impact of changes in the radiative parameterizations on climate

Additional outcomes:

- Develop skills in data analysis and numerical modelling

**Presenter:** HOGAN, Robin (ECMWF)